CIVIL QUALITY CONSULTANTS & ENGINEERS

ISO 9001:2015 Certified & NABL Accredited Laboratory as per ISO/IEC - 17025-2017

Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/KD/W.No.16/2021-22 Date: 15.09.2021

TEST REPORT ON CEMENT

Client : **Assistant Executive Engineer,** Yeshwantapura Sub Division, BBMP, Bangalore.
Agency : **Sri. K Damodar & Co,** Contractor, Bangalore.
Name of Work : Improvements and Development of school building at Jalahalli in ward No.16, BBMP, Bangalore.
Sample ID: : Cement (Birla Super 53 grade OPC)
Sample Supplied by: : AGENCY
Date of Manufacture: : April - 2020
Date of Testing 13.09.2021 to 15.09.2021

Sl.No	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 269:2015
1	a) Initial Setting Time	IS-4031 (Part - 5):1988(RA 2014)	145 Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part - 5):1988(RA 2014)	365 Minutes	Not More than 600 Minutes
2	Soundness	IS-4031 (Part 3) :1988 (RA 2014) by the Le-Chatelier method	1 mm	Not more than 10 mm
3	Standard Consistency	IS-4031 (Part -4)	28.50%	-

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Job No.: CQCE/BBMP/KD/W.No.16/2021-22

Date 15.09.2021

TEST REPORT ON FINE AGGREGATES (SAND)
IS 1542-1992

Client : **Assistant Executive Engineer,** Yeshwantapura Sub Division, BBMP, Bangalore.
Agency : **Sri. K Damodar & Co,** Contractor, Bangalore.
Name of Work : Improvements and Development of school building at Jalahalli in ward No.16, BBMP, Bangalore.
Date of Testing 15.09.2021
Material : Sand(Plastering)

Total wt. of aggregates in gms = 1000

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits as per IS 1542-1992
10	0	0	0	100	100
4.75	14.5	1.45	1.45	98.6	95-100
2.36	17	1.70	3.15	96.9	95-100
1.18	34	3.40	6.55	93.5	90-100
600 Micron	69	6.90	13.45	86.6	80-100
300 Micron	245	24.50	37.95	62.1	20-65
150 Micron	512	51.20	89.15	10.9	0-15

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/KD/W.No.16/2021-22

Date 15.09.2021

TEST REPORT ON FINE AGGREGATES (SAND)
IS 2116-1980

Client : **Assistant Executive Engineer,** Yeshwantapura Sub Division, BBMP, Bangalore.
Agency : **Sri. K Damodar & Co,** Contractor, Bangalore.
Name of Work : Improvements and Development of school building at Jalahalli in ward No.16, BBMP, Bangalore.
Date of Testing 15.09.2021
Material : Sand(Masonry)

Total wt. of aggregates in gms = 1000

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits as per IS 2116-1980
4.75	0	0.00	0.00	100.0	100
2.36	13.5	1.35	1.35	98.7	90-100
1.18	32	3.20	4.55	95.5	70-100
600 Micron	78	7.80	12.35	87.7	40-100
300 Micron	258	25.80	38.15	61.9	5-70
150 Micron	477	47.70	85.85	14.2	0-15

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/KD/W.No.16/2021-22

Date 15.09.2021

TEST REPORT ON FINE AGGREGATES (SAND)

Client : **Assistant Executive Engineer,** Yeshwantapura Sub Division, BBMP, Bangalore.
Agency : **Sri. K Damodar & Co,** Contractor, Bangalore.
Name of Work : Improvements and Development of school building at Jalahalli in ward No.16, BBMP, Bangalore.
Date of Testing 15.09.2021
IS Code : IS 383:2016
: IS 2386 (Part 1):1963(RA 2011)
Material : Sand

Total Wt. of Aggregates in gms 1000

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Requirements as per IS 383:2016 Spec.Limits For Zone-II
10	0	0	0	100	100
4.75	73	7.30	7.30	92.7	90-100
2.36	116	11.60	18.90	81.1	75-100
1.18	180	18.00	36.90	63.1	55-90
600 Micron	221	22.10	59.00	41.0	35-59
300 Micron	165	16.50	75.50	24.5	8-30
150 Micron	175	17.50	93.00	7.0	0-10

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Job No.: CQCE/BBMP/KD/W.No.16/2021-22

Date 15.09.2021

TEST REPORT ON COARSE AGGREGATES

Client : **Assistant Executive Engineer,** Yeshwantapura Sub Division, BBMP, Bangalore.

Agency : **Sri. K Damodar & Co,** Contractor, Bangalore.

Name of Work : Improvements and Development of school building at Jalahalli in ward No.16, BBMP, Bangalore.

Date of Testing 15.09.2021

IS Code : IS 383:2016

: IS 2386 (Part 1):1963(RA 2011)

Material : 40mm Aggregates

Total Wt. of Aggregates in gms **15000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Requirements as per IS 383:2016
80	0	0	0	100	100
40	188	1.25	1.25	98.75	95-100
20	8345	55.63	56.89	43.11	30-70
10	2998	19.99	76.87	23.13	10-35
4.75	2855	19.03	95.91	4.09	0-5

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Job No.: CQCE/BBMP/KD/W.No.16/2021-22

Date 15.09.2021

TEST REPORT ON COARSE AGGREGATES

Client : **Assistant Executive Engineer,** Yeshwantapura Sub Division, BBMP, Bangalore.
Agency : **Sri. K Damodar & Co,** Contractor, Bangalore.
Name of Work : Improvements and Development of school building at Jalahalli in ward No.16, BBMP, Bangalore.
Date of Testing 15.09.2021
IS Code : IS 383:2016
: IS 2386 (Part 1):1963(RA 2011)
Material : 20mm Aggregates

Total Wt. of Aggregates in gms= 5000

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Requirements as per IS 383:2016
40	0	0	0	100	100
20	199	4.0	4.0	96.0	95-100
10	2844	56.9	60.9	39.1	25-55
4.75	1725	34.5	95.4	4.6	0-10

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Job No.: CQCE/BBMP/KD/W.No.16/2021-22

Date 15.09.2021

TEST REPORT OF PHYSICAL PROPERTIES OF REINFORCEMENT STEEL

Client : **Assistant Executive Engineer,** Yeshwantapura Sub Division, BBMP, Bangalore.

Agency : **Sri. K Damodar & Co,** Contractor, Bangalore.

Name of Work : Improvements and Development of school building at Jalahalli in ward No.16, BBMP, Bangalore.

Steel Dia/Length : 8mm,10mm," TMT"

Reference to BIS codes : IS 1786:2008(RA 2013) High Strength Deformed Steel Bars and Wires for Concrete Reinforcement-Specification

: IS 1608:2005 Metallic Materials- Tensile Testing at Ambient Temperature

Date of test 15.09.2021

S.No	Brand	Nominal size (dia in mm)	Mass per meter (kg/meter)	TENSILE STRENGTH			
				0.20 % proof stress/ yield stress (N/mm^2)	Tensile strength (N/mm^2)	TS/YS ratio	Elongation, percent on gauge length
1	TMT	8	0.396	511	610	1.19	14.5
2	TMT	10	0.618	533	621	1.17	16
3	TMT	12	0.888	577	635	1.10	18

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/KD/W.No.16/2021-22

Date 02.11.2021

TEST REPORT ON SOLID CONCRETE BLOCKS

Client : **Assistant Executive Engineer,** Yeshwantapura Sub Division, BBMP, Bangalore.

Agency : **Sri. K Damodar & Co,** Contractor, Bangalore.

Name of the Work : Improvements and Development of school building at Jalahalli in ward No.16, BBMP, Bangalore.

Date of Testing 02.11.2021

Size of Blocks : 400mm x 150mm x 200mm

Cross Sectional Area : 60000 mm^2

Technical Reference : IS: 2185 (Part 1) - 2005

No. of Blocks Tested : 04

Sl.No.	Block ID	Wt. in Kg	Failure load (KN)	Compressive strength (N/mm^2)	Block Density in Kg/M^3	Requirement as per IS 2185 (Part 1) - 2005
1	Block 1	24.5	215.2	3.59	2041.67	Minimum required Compressive Strength of Individual Units $3.5N/mm^2$
2	Block 2	25.4	212.2	3.54	2116.67	
3	Block 3	24.7	214.3	3.57	2058.33	
4	Block 4	23.9	213.5	3.56	1991.67	

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/KD/W.No.16/2021-22

Date 02.11.2021

TEST REPORT ON SOLID CONCRETE BLOCKS

Client : **Assistant Executive Engineer,** Yeshwantapura Sub Division, BBMP, Bangalore.

Agency : **Sri. K Damodar & Co,** Contractor, Bangalore.

Name of the Work : Improvements and Development of school building at Jalahalli in ward No.16, BBMP, Bangalore.

Date of Testing 02.11.2021

Size of Blocks : 400mm x 100mm x 200mm

Cross Sectional Area : 40000 mm^2

Technical Reference : IS: 2185 (Part 1) - 2005

No. of Blocks Tested : 04

Sl.No.	Block ID	Wt. in Kg	Failure load (KN)	Compressive strength (N/mm^2)	Block Density in Kg/M^3	Requirement as per IS 2185 (Part 1) - 2005
1	Block 1	16.8	140.2	3.51	2100.00	Minimum required Compressive Strength of Individual Units $3.5N/mm^2$
2	Block 2	15.7	142.6	3.57	1962.50	
3	Block 3	16.5	143.2	3.58	2062.50	
4	Block 4	15.9	141.5	3.54	1987.50	

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Job No: CQCE/BBMP/KD/W No 16/2021-22

11.10.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : Assistant Executive Engineer, Yeshwanthpura Sub Division, BBMP, Bangalore.

Contractor : Sri. K Damodar & Co, Contractor, Bangalore

Name of the work : Improvements and Development of school building at Jalahalli in ward No.16, BBMP, Bangalore.

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS. 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{25}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	04.10.2021	11.10.2021	8.012	411.3	18.28
2	04.10.2021	11.10.2021	8.044	420.5	18.69
3	04.10.2021	11.10.2021	8.087	429.7	19.10

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Job No.: CQCE/BBMP/KD/W.No.16/2021-22

01.11.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** Yeshwantapura Sub Division, BBMP, Bangalore.

Contractor : **Sri. K Damodar & Co,** Contractor, Bangalore.

Name of the work : Improvements and Development of school building at Jalahalli in ward No.16, BBMP, Bangalore.

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{25}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	04.10.2021	01.11.2021	8.027	595.4	26.46
2	04.10.2021	01.11.2021	8.059	619.8	27.55
3	04.10.2021	01.11.2021	8.111	628.7	27.94

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Job No.: CQCE/BBMP/KD/W.No.16/2021-22

11.10.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** Yeshwantapura Sub Division, BBMP, Bangalore.

Contractor : **Sri. K Damodar & Co,** Contractor, Bangalore.

Name of the work : Improvements and Development of school building at Jalahalli in ward No.16, BBMP, Bangalore.

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{25}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	04.10.2021	11.10.2021	8.031	412.4	18.33
2	04.10.2021	11.10.2021	8.137	422.1	18.76
3	04.10.2021	11.10.2021	8.158	433.5	19.27

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01.11.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** Yeshwantapura Sub Division, BBMP, Bangalore.

Contractor : **Sri. K Damodar & Co,** Contractor, Bangalore.

Name of the work : Improvements and Development of school building at Jalahalli in ward No.16, BBMP, Bangalore.

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{25}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	04.10.2021	01.11.2021	8.009	599.7	26.65
2	04.10.2021	01.11.2021	8.062	609.8	27.10
3	04.10.2021	01.11.2021	8.181	616.4	27.40

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Job No.: CQCE/BBMP/KD/W.No.16/2021-22

13.10.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** Yeshwantapura Sub Division, BBMP, Bangalore.

Contractor : **Sri. K Damodar & Co,** Contractor, Bangalore.

Name of the work : Improvements and Development of school building at Jalahalli in ward No.16, BBMP, Bangalore.

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{25}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	06.10.2021	13.10.2021	8.028	401.3	17.84
2	06.10.2021	13.10.2021	8.117	417.7	18.56
3	06.10.2021	13.10.2021	8.055	426.4	18.95

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Authorised Signatory

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Contact: 8553518550, 080-23240644 Email: civilqualityconsultants@gmail.com

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/KD/W.No.16/2021-22

03.10.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** Yeshwantapura Sub Division, BBMP, Bangalore.

Contractor : **Sri. K Damodar & Co,** Contractor, Bangalore.

Name of the work : Improvements and Development of school building at Jalahalli in ward No.16, BBMP, Bangalore.

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{25}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	06.10.2021	03.10.2021	8.018	589.9	26.22
2	06.10.2021	03.10.2021	8.119	611.7	27.19
3	06.10.2021	03.10.2021	8.147	623.4	27.71

Note:

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/KD/W.No.16/2021-22

13.10.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** Yeshwantapura Sub Division, BBMP, Bangalore.

Contractor : **Sri. K Damodar & Co,** Contractor, Bangalore.

Name of the work : Improvements and Development of school building at Jalahalli in ward No.16, BBMP, Bangalore.

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{25}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	06.10.2021	13.10.2021	8.032	412.7	18.34
2	06.10.2021	13.10.2021	8.118	424.5	18.87
3	06.10.2021	13.10.2021	8.078	433.1	19.25

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03.10.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** Yeshwantapura Sub Division, BBMP, Bangalore.

Contractor : **Sri. K Damodar & Co,** Contractor, Bangalore.

Name of the work : Improvements and Development of school building at Jalahalli in ward No.16, BBMP, Bangalore.

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{25}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	06.10.2021	03.10.2021	8.034	608.7	27.05
2	06.10.2021	03.10.2021	8.139	618.4	27.48
3	06.10.2021	03.10.2021	8.072	626.8	27.86

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Job No.: CQCE/BBMP/KD/W.No.16/2021-22

18.10.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** Yeshwantapura Sub Division, BBMP, Bangalore.

Contractor : **Sri. K Damodar & Co,** Contractor, Bangalore.

Name of the work : Improvements and Development of school building at Jalahalli in ward No.16, BBMP, Bangalore.

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{25}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	11.10.2021	18.10.2021	8.110	391.7	17.41
2	11.10.2021	18.10.2021	8.130	413.5	18.38
3	11.10.2021	18.10.2021	8.150	424.5	18.87

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Job No.: CQCE/BBMP/KD/W.No.16/2021-22

08.11.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** Yeshwantapura Sub Division, BBMP, Bangalore.

Contractor : **Sri. K Damodar & Co,** Contractor, Bangalore.

Name of the work : Improvements and Development of school building at Jalahalli in ward No.16, BBMP, Bangalore.

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{25}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	11.10.2021	08.11.2021	8.086	621.6	27.63
2	11.10.2021	08.11.2021	8.127	634.8	28.21
3	11.10.2021	08.11.2021	8.063	649.5	28.87

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Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{25}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	11.10.2021	18.10.2021	8.014	403.6	17.94
2	11.10.2021	18.10.2021	8.101	418.7	18.61
3	11.10.2021	18.10.2021	8.171	429.9	19.11

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Grade of Concrete : M_{25}

Compressive Strength as on : 28th day

SLNo.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	11.10.2021	08.11.2021	8.198	603.6	26.83
2	11.10.2021	08.11.2021	8.147	618.4	27.48
3	11.10.2021	08.11.2021	8.100	625.2	27.79

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01.11.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** Yeshwantapura Sub Division, BBMP, Bangalore.

Contractor : **Sri. K Damodar & Co,** Contractor, Bangalore.

Name of the work : Improvements and Development of school building at Jalahalli in ward No.16, BBMP, Bangalore.

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{25}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	25.10.2021	01.11.2021	8.045	420.0	18.67
2	25.10.2021	01.11.2021	8.122	429.3	19.08
3	25.10.2021	01.11.2021	8.008	435.4	19.35

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22.11.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	**: Assistant Executive Engineer,** Yeshwantapura Sub Division, BBMP, Bangalore.
Contractor	**: Sri. K Damodar & Co,** Contractor, Bangalore.
Name of the work	: Improvements and Development of school building at Jalahalli in ward No.16, BBMP, Bangalore.
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{25}
Compressive Strength as on	: 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	25.10.2021	22.11.2021	8.052	611.2	27.16
2	25.10.2021	22.11.2021	8.180	624.8	27.77
3	25.10.2021	22.11.2021	8.093	636.5	28.29

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Grade of Concrete : M_{25}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	25.10.2021	01.11.2021	8.028	412.5	18.33
2	25.10.2021	01.11.2021	8.119	424.3	18.86
3	25.10.2021	01.11.2021	8.147	435.2	19.34

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Grade of Concrete : M_{25}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	25.10.2021	22.11.2021	8.039	610.2	27.12
2	25.10.2021	22.11.2021	8.158	619.9	27.55
3	25.10.2021	22.11.2021	8.111	629.9	28.00

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Grade of Concrete : M_{25}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	25.10.2021	01.11.2021	8.117	391.0	17.38
2	25.10.2021	01.11.2021	8.188	418.8	18.61
3	25.10.2021	01.11.2021	8.034	425.4	18.91

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Compressive Strength as on	: 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	25.10.2021	22.11.2021	8.018	608.8	27.06
2	25.10.2021	22.11.2021	8.125	620.4	27.57
3	25.10.2021	22.11.2021	8.041	630.3	28.01

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Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{25}
Compressive Strength as on	: 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	15.11.2021	22.11.2021	8.111	415.5	18.47
2	15.11.2021	22.11.2021	8.142	425.6	18.92
3	15.11.2021	22.11.2021	8.078	435.7	19.36

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/KD/W.No.16/2021-22

13.12.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	: **Assistant Executive Engineer,** Yeshwantapura Sub Division, BBMP, Bangalore.
Contractor	: **Sri. K Damodar & Co,** Contractor, Bangalore.
Name of the work	: Improvements and Development of school building at Jalahalli in ward No.16, BBMP, Bangalore.
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{25}
Compressive Strength as on	: 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	15.11.2021	13.12.2021	8.072	620.1	27.56
2	15.11.2021	13.12.2021	8.036	630.5	28.02
3	15.11.2021	13.12.2021	8.115	640.9	28.48

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Authorised Signatory

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Job No.: CQCE/BBMP/KD/W.No.16/2021-22

22.11.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	: **Assistant Executive Engineer,** Yeshwantapura Sub Division, BBMP, Bangalore.
Contractor	: **Sri. K Damodar & Co,** Contractor, Bangalore.
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Sample ID	: Cement Concrete
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Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{25}
Compressive Strength as on	: 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	15.11.2021	22.11.2021	8.062	422.3	18.77
2	15.11.2021	22.11.2021	8.182	433.0	19.24
3	15.11.2021	22.11.2021	8.155	442.5	19.67

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Compressive Strength as on	: 28th day

SLNo.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	15.11.2021	13.12.2021	8.047	610.3	27.12
2	15.11.2021	13.12.2021	8.143	619.8	27.55
3	15.11.2021	13.12.2021	8.186	625.7	27.81

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Compressive Strength as on	: 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	15.11.2021	22.11.2021	8.112	412.4	18.33
2	15.11.2021	22.11.2021	8.135	424.7	18.88
3	15.11.2021	22.11.2021	8.065	436.8	19.41

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Compressive Strength as on	: 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	15.11.2021	13.12.2021	8.026	613.5	27.27
2	15.11.2021	13.12.2021	8.068	623.7	27.72
3	15.11.2021	13.12.2021	8.199	633.9	28.17

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Compressive Strength as on	: 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	30.11.2021	07.12.2021	8.062	415.5	18.47
2	30.11.2021	07.12.2021	8.178	426.6	18.96
3	30.11.2021	07.12.2021	8.038	437.8	19.46

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Compressive Strength as on	: 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	30.11.2021	28.12.2021	8.077	600.3	26.68
2	30.11.2021	28.12.2021	8.154	610.4	27.13
3	30.11.2021	28.12.2021	8.106	620.7	27.59

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Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	30.11.2021	07.12.2021	8.092	418.7	18.61
2	30.11.2021	07.12.2021	8.199	428.4	19.04
3	30.11.2021	07.12.2021	8.047	438.6	19.49

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Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	30.11.2021	28.12.2021	8.109	616.5	27.40
2	30.11.2021	28.12.2021	8.017	624.7	27.76
3	30.11.2021	28.12.2021	8.088	635.3	28.24

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Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	30.11.2021	07.12.2021	8.121	419.0	18.62
2	30.11.2021	07.12.2021	8.141	425.7	18.92
3	30.11.2021	07.12.2021	8.181	436.1	19.38

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Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	30.11.2021	28.12.2021	8.029	614.9	27.33
2	30.11.2021	28.12.2021	8.108	624.7	27.76
3	30.11.2021	28.12.2021	8.059	634.6	28.20

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Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	30.11.2021	07.12.2021	8.038	418.9	18.62
2	30.11.2021	07.12.2021	8.128	428.7	19.05
3	30.11.2021	07.12.2021	8.089	441.6	19.63

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Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	30.11.2021	28.12.2021	8.006	613.7	27.28
2	30.11.2021	28.12.2021	8.147	626.4	27.84
3	30.11.2021	28.12.2021	8.197	634.0	28.18

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